



US006363200B1

(12) **United States Patent**
Thompson et al.

(10) **Patent No.:** **US 6,363,200 B1**
(45) **Date of Patent:** **Mar. 26, 2002**

(54) **OUTSIDE PLANT FIBER DISTRIBUTION APPARATUS AND METHOD**

(75) **Inventors:** **Patrick Thompson**, Roseville; **Brian L. Johnson**, Maple Grove; **Anthony L. Tischler**, Hastings, all of MN (US)

(73) **Assignee:** **ADC Telecommunications, Inc.**, Eden Prairie, MN (US)

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) **Appl. No.:** **09/689,989**

(22) **Filed:** **Oct. 13, 2000**

Related U.S. Application Data

(62) Division of application No. 09/122,947, filed on Jul. 27, 1998, now Pat. No. 6,160,946.

(51) **Int. Cl.⁷** **G02B 6/00; H05K 7/00**

(52) **U.S. Cl.** **385/135; 385/136; 361/728; 174/50**

(58) **Field of Search** **385/134, 135, 385/136; 361/728; 174/50**

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Primary Examiner—Jon Henry

(74) *Attorney, Agent, or Firm*—Merchant & Gould P.C.

(57) **ABSTRACT**

An outside plant fiber distribution apparatus includes a frame member and a plurality of fiber optic modules mounted to the frame member. The frame member includes upper and lower module mounting brackets. Each module includes a front and two mounting flanges, each mountable to one of the upper and lower module mounting brackets. At least one of the modules is configured as a connection module including a plurality of connection locations disposed along the front of the module. A rear of the module includes a cable notch region for receipt of a cable. At least one of the modules defines a storage module including first and second spools. In an interconnect system, the storage module includes a cable clamp for holding a second cable, the cables are connected through the connection locations of the connection module. In a cross-connect system, two connection modules are provided, and patch cords are used to connect the fronts of the connection modules. The modules may also house splices, and/or optical couplers, such as splitters and wave division multiplexers.

9 Claims, 21 Drawing Sheets

